

MULTIPLE PULSE PHOTO-EPILATOR

Abstract

Method and apparatus to cause the cessation of hair growth on a specific area of the body. The area is exposed to a particular pattern of multiple wavelength light generated by flashlamps which are filled with krypton and xenon gas. These flashlamps are connected to separate power supplies to allow simultaneous, overlap, or consecutive firing. The method consists of directing the light by means of a hollow reflective light guide in contact with the skin to prevent the light from escaping. Controlling the intensity of light and the delay between pulses allows treatment to be adjusted to different skin and hair types. Skin damage is virtually eliminated by the length and characteristic shape of the individual pulse in conjunction with consecutive firing of the flashlamps which spreads the energy over a long period of time.